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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/940,949	08/28/2001	Luc Tripod	PU010180	5192

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EXAMINER

HARVEY, JAMES R

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 06/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/940,949	TRIPOD, LUC
	Examiner	Art Unit
	James R. Harvey	2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on ____.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
 5) Claim(s) ____ is/are allowed.
 6) Claim(s) 1-4 is/are rejected.
 7) Claim(s) ____ is/are objected to.
 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 28 August 2001 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 11) The proposed drawing correction filed on ____ is: a) approved b) disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.
 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
 * See the attached detailed Office action for a list of the certified copies not received.
 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) The translation of the foreign language provisional application has been received.
 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____.
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION
COPY OF PAPERS**

The papers filed on 28 August 2001 have not been made part of the permanent records of the United States Patent and Trademark Office (Office) for this application (37 CFR 1.52(a)) because of damage from the United States Postal Service irradiation process. The above-identified papers, however, were not so damaged as to preclude the USPTO from making a legible copy of such papers. Therefore, the Office has made a copy of these papers, substituted them for the originals in the file, and stamped that copy:

**COPY OF PAPERS
ORIGINALLY FILED**

If applicant wants to review the accuracy of the Office's copy of such papers, applicant may either inspect the application (37 CFR 1.14(d)) or may request a copy of the Office's records of such papers (*i.e.*, a copy of the copy made by the Office) from the Office of Public Records for the fee specified in 37 CFR 1.19(b)(4). Please do **not** call the Technology Center's Customer Service Center to inquiry about the completeness or accuracy of Office's copy of the above-identified papers, as the Technology Center's Customer Service Center will **not** be able to provide this service.

If applicant does not consider the Office's copy of such papers to be accurate, applicant must provide a copy of the above-identified papers (except for any U.S. or foreign patent documents submitted with the above-identified papers) with a statement that such copy is a complete and accurate copy of the originally submitted documents. If applicant provides such a copy of the above-identified papers and statement within **THREE MONTHS** of the mail date of this Office action, the Office will add the original mailroom date and use the copy provided by applicant as the permanent Office record of the above-identified papers in place of the copy made by the Office. Otherwise, the Office's copy will be used as the permanent Office record of the above-identified papers (*i.e.*, the Office will use the copy of the above-identified papers made by the Office for examination and all other purposes). This three-month period is not extendable.

Drawings

- The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims.
 - The "back cover which abuts the end of the neck"(claim 4) is not shown.

Art Unit: 2833

- The above features must be shown or the feature canceled from the claim. No new matter should be entered.
- Please note that drawing corrections will no longer be held in abeyance. If drawing correction are not submitted with the response to this office action, the response will be consider a Non-Responsive Reply and the following paragraph will apply:

The reply filed on (...) is not fully responsive to the prior Office Action because: (...) Since the period for reply set forth in the prior Office action has expired, this application will become abandoned unless applicant corrects the deficiency and obtains an extension of time under 37 CFR 1.136(a).

The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. In no case may an applicant reply outside the SIX (6) MONTH statutory period or obtain an extension for more than FIVE (5) MONTHS beyond the date for reply set forth in an Office action. A fully responsive reply must be timely filed to avoid abandonment of this application.

Claim Objections

- Claims 1-4 are objected to because of the following informalities:

-- Claim 1, "the side" (line 4), "the rearmost portion" (claim 2, line 3), and "the end" (claim 4, line 2) lack proper antecedent basis.

Note: The above objections that were based upon the claims not being clear, were made objections instead of rejections under 35 USC § 112 in an attempt to be courteous. However, if the objection(s) and any other unnoted error(s) or related claim language is/are not corrected in response to this office action, they may be cause for rejection of the claims under 35 USC § 112 in the following final or non-final office action.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Art Unit: 2833

- Claim(s) 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- The following have no proper antecedent basis or are considered to be vague and indefinite:
 - Claim 1, "the terminals" (line 3) and "corresponding terminals" (line 7) lacks proper antecedent basis and it is not clear if they are the same terminals.
 - Appropriate correction of the above is required.

Claim Rejections - 35 USC § 102

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

- Claim(s) 1 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Cho (5963275).
 - In reference to claim 1, Cho shows (cover sheet) an arrangement for coupling a cathode ray tube (CRT) (figure 4) to a socket 30 which is mounted on a circuit board 40 the CRT having a funnel portion 10 and a neck portion (between terminals 12) containing an electron gun, terminals 12 being positioned along the side of the neck portion of the CRT, the circuit board being positioned with a first side facing the funnel portion and a second side facing away from the funnel portion, the socket having terminals which engage corresponding terminals on the CRT, the socket terminals being positioned on the second side of the circuit board. 10

In reference to the claim language "for said electron gun", this claim language is for the intended employment of the claimed apparatus and has not been seen to be a claim limitation, since it has been held a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex parte Masham*, 2 USPQ2d 1647 (1987).

-- In reference to claim 4, Cho shows (figure 3) the socket has a back cover which abuts the end of the neck portion.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Johnson shows in view of Nicholson (4590540).

-- In reference to claim 1, Johnson shows (cover sheet) an arrangement for coupling a cathode ray tube (CRT) (near 39) to a socket 82 which is mounted on a circuit board 75 the CRT having a funnel portion (near 16) and a neck portion (near 39) containing an electron gun, the circuit board 75 being positioned with a first side facing the funnel portion and a second side facing away from the funnel portion, the socket 82 having terminals which engage corresponding

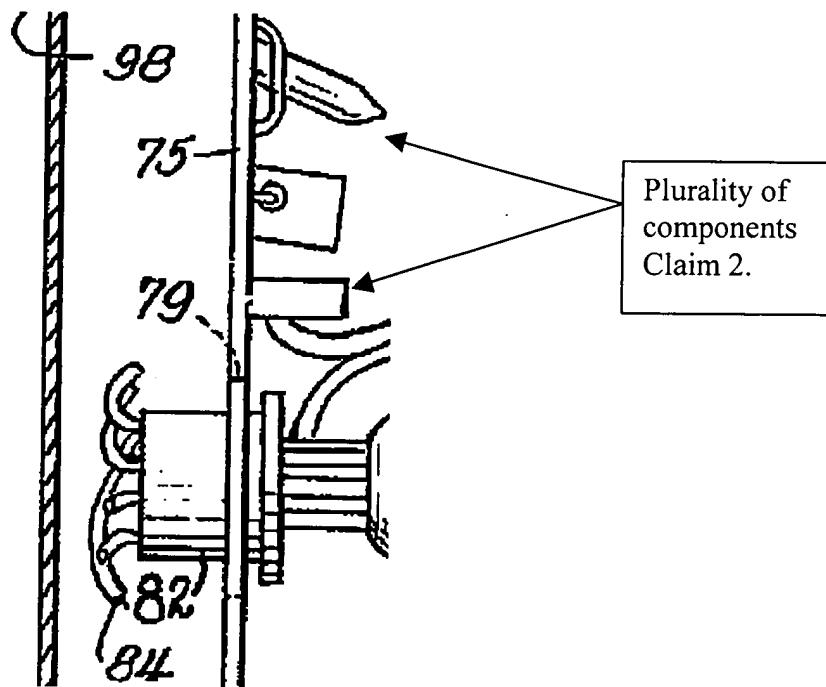
terminals on the CRT, the socket terminals being positioned on the second side of the circuit board 75.

However, Johnson does not show terminals being positioned along the side of the neck portion of the CRT.

Nicholson shows (cover sheet) terminals being positioned along the side of the neck portion of the CRT.

A variety of configurations for positioning terminals along the side of the CRT neck portion are well known to one having ordinary skill in the art. To select one such as that disclosed by Nicholson is seen to have been an obvious matter of design choice.

-- In reference to claim 2, Johnson shows the circuit board 75 has a plurality of components mounted thereon, none of the components extending away from the funnel portion further than the rearmost portion of the socket (see examiner's detail of (cover sheet)).



-- In reference to claim 3, Johnson shows the circuit board 75 has a plurality of components mounted on the first side.

-- In reference to claim 4, Johnson shows the socket 82 has a back cover which abuts the end of the neck portion. The meaning of "abuts" is seen to define to lie adjacent. The American Heritage Dictionary of the English Language, Third Edition copyright 1992 by Houghton Mifflin Company. Electronic version licensed from IINSO Corporation. Copy attached.

Conclusion

- The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ohkoshi et al., Tognoni et al., Marholz, and Haider et al. show the state of the art with respect to applicant's claimed invention.
- Any inquiry concerning this communication or earlier communications from the examiner should be directed to James R. Harvey whose telephone number is 703-305-0958. The examiner can normally be reached on 8:00 A.M. To 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 703-308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7724 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0952.

James R. Harvey, Examiner

jrh
June 13, 2002


JAMES R. HARVEY
PRIMARY EXAMINER